


TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		Attorney Docket No. <b>3006-1008-2 US</b> U.S. Application No. <b>10/563363</b>
INTERNATIONAL APPLN. NO. <b>PCTUS2004021499</b>	INTERNATIONAL FILING DATE <b>July 2, 2004</b>	PRIORITY DATE CLAIMED <b>July 4, 2003</b>
TITLE OF INVENTION: <b>APPARATUS AND METHOD FOR HEATING FLUIDS</b>		
APPLICANT(S) FOR DO/EO/US: <b>Christian Helmut THOMA</b>		

Applicant herewith submits to the United States Designated Elected Office (DO/EO/US) the following items and other information:

- ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
- ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)).  
The submission must include items (5), (6), (9) and (21) indicated below.
- ☒ The US has been elected (Article 31).
- ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - ☒ is attached hereto (required only if not communicated by the International Bureau).
  - ☒ has been communicated by the International Bureau. See attached PCT/IB/308.
  - ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))
  - ☐ is attached hereto.
  - ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - ☐ are attached hereto (required only if not communicated by the International Bureau).
  - ☐ have been communicated by the International Bureau.
  - ☐ have not been made, however, the time limit for making such amendments has NOT expired.
  - ☐ have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
- ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4))
- ☐ A Declaration of Inventorship for purposes of U.S.A. designation pursuant to rule 4.17(iv). )
- ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 12 to 23 below concern document(s) or information included:**

- ☒ Information Disclosure Statement (IDS) w/PTO-1449 - ☐ Copy of IDS citations. - ☐ PCT/ISA/210 International Search Report included
- ☐ Assignment Papers (cover sheet & document(s)).
- ☒ A preliminary amendment.
- ☒ An Application Data Sheet under 37 C.F.R. 1.76.
- ☒ Itemized Return Receipt Postcard
- ☒ Abstract
- ☐ A substitute specification.
- ☐ Power of Attorney and Statement under 37 CFR §3.73(b)
  - ☐ Newly executed Power of Attorney
  - ☐ A change of Power of Attorney and/or change of address letter.
- ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
- ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the international application (35 U.S.C. 154(d)(4)).
- ☐ Other items or information: \_\_\_\_\_

U.S. APPLICATION NO. <b>10/563363</b>		INTERNATIONAL APPLN. NO. PCTUS2004021499		ATTORNEY DOCKET NO. 3006-1008-2 US	
<input checked="" type="checkbox"/> <b>Applicant claims small entity status. See 37 CFR 1.27.</b>  <input checked="" type="checkbox"/> The following fees are submitted:  <p style="text-align: center;"><b>PCT FEES - NATIONAL STAGE</b></p>				<b>CALCULATIONS PTO USE ONLY</b>	
<b>Fee Description</b>					
Basic National Stage Fee				<b>\$150.00</b>	
Non ISA/US Search Provided National Stage Search Fee				<b>\$200.00</b>	
<input checked="" type="checkbox"/> US was the IPEA And all claims satisfied the provisions of PCT Article 33 (1)-(4) National Stage Examination Fee				<b>\$100.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20- <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (Fee Code 1617/2617)				<b>\$65.00</b>	
National Stage Application size fee each additional 50 sheets in excess of 100  Fee Code 1681/2681		Additional Sheets <b>63 - 100 =</b> _____ <b>=</b> _____ <b>X</b> <div style="text-align: center; border-top: 1px solid black; width: 50px; margin: 0 auto;">50</div>		Fee From Below <b>\$125.00</b>	<b>\$0.00</b>
<b>CLAIMS</b>		NUMBER FILED	NUMBER EXTRA	RATE	
Independent Claims Fee Codes 1614 / 2614		2 - 3 =		x \$100.00	<b>\$0.00</b>
Total Claims Fee Codes 1615 / 2615		34 - 20 =	14	x \$25.00	<b>\$350.00</b>
MULTIPLE DEPENDENT CLAIM(S) (if applicable) Fee Code 1616 / 2616				+ \$360.00	<b>\$0.00</b>
Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)). Fee Code 1618				<b>\$0.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). (Fee code 8021) <b>\$40.00</b> per property				+	<b>\$0.00</b>
<b>TOTAL FEES ENCLOSED</b>				<b>=</b>	<b>\$865.00</b>
				Amount to be refunded:	\$
				Charged:	\$
<input checked="" type="checkbox"/> A check in the amount of <b>\$865.00</b> to cover the above fees is attached.  <input type="checkbox"/> The Director is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account No. 25-0120 in the name of Young & Thompson. A duplicate copy of this sheet is enclosed.  <input checked="" type="checkbox"/> The Director is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17.					
SEND ALL CORRESPONDENCE TO: YOUNG & THOMPSON 745 South 23 <sup>rd</sup> Street Arlington, VA 22202 Telephone: (703) 521-2297 Facsimile: (703) 685-0573			 SIGNATURE		
			Benoit Castel, Reg. No. 35,041 NAME, REGISTRATION NUMBER		
Y&T Customer No. <b>00466</b> BC/yr			January 4, 2006 DATE		